



Australian Government

UETDRIS024 Develop and validate low voltage distribution switching programs

Release: 1

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Modification History

Release 1. This is the first release of this unit of competency in the UET Transmission, Distribution and Rail Sector Training Package Release 4.0.

Application

This unit includes the skills and knowledge required to develop and validate low voltage (LV) distribution switching programs in the electricity supply industry (ESI).

It includes low voltage (LV) switching principles, interconnected and radial switching programs, and types, characteristics and capabilities of electrical apparatus.

It also includes procedures for confirming, reviewing, and updating workplans, based on technical advice and data analysis, procedures for determining work permits, and writing LV switching programs for power outages.

Note: Entry into this unit is for users who:

- *hold the unit UETDREL005 Work safely in the vicinity of live electrical apparatus or equivalent*

and

- *hold a UET Certificate III Qualification or the equivalent issued in an Australian state or territory,*

or

- *hold an Electrician or Electrical Fitter licence or the equivalent issued in an Australian state or territory,*

or

- *hold an Electrician or Electrical Fitter qualification or the equivalent issued in an Australian state or territory.*

In addition, Electricians or Electrical Fitters must have completed the unit UETDRIS032 Solve problems in network equipment or equivalent to meet the requirements for working in the electricity supply industry (ESI).

The application of the skills and knowledge described in this unit may require a licence/registration to practice in the workplace.

Other conditions may also apply under state and territory legislative and regulatory licensing requirements which must be confirmed prior to commencing this unit.

Pre-requisite Unit

Refer to Application.

Competency Field

Industry Specific Cross Discipline

Unit Sector

Not applicable.

Elements and Performance Criteria

ELEMENTS

Elements describe the essential outcomes.

1 Prepare to develop LV distribution switching programs

PERFORMANCE CRITERIA

Performance criteria describe the performance needed to demonstrate achievement of the element.

- 1.1** Purpose for the LV switching program is determined in accordance with the work plan, schedules and workplace requirements
- 1.2** Work is prioritised and sequenced for completion in accordance with work plan and workplace requirements
- 1.3** Hazards are identified, risks assessed, and control measures identified and applied
- 1.4** Work plan is developed, validated and communicated with stakeholders in accordance with workplace requirements
- 1.5** Operational personnel and equipment required for work are determined in accordance with work plan and workplace requirements
- 1.6** Work permits are determined in accordance with workplace requirements

2 Develop LV distribution switching programs

- 2.1** LV distribution switching programs are developed in accordance with workplace requirements
- 2.2** Work plan is checked for compliance against technical advice, legislation, regulations, standards and codes of practice

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| | 2.3 | Health and safety risks are identified and minimised or eliminated by using safety and control measures |
| | 2.4 | LV distribution switching programs are verified and approved in accordance with workplace requirements |
| 3 Complete work and documentation | 3.1 | Completed work is checked for compliance against the work plan and workplace requirements |
| | 3.2 | Work records, reports and documentation are completed, and where relevant, appropriate personnel notified in accordance with workplace requirements |

Foundation Skills

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency.

Range of Conditions

Range is restricted to essential operating conditions and any other variables essential to the work environment.

Non-essential conditions may be found in the UET Transmission, Distribution and Rail Sector Training Package Companion Volume Implementation Guide.

Unit Mapping Information

This unit replaces and is not equivalent to UETDRIS004 Develop low voltage switching schedule.

Links

Companion Volume Implementation Guides are found in VETNet - <https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=229bace1-b7bc-4653-9300-dffb13ecfad7>